

APPENDIX B
TABLE B-1
Assessment of Competing Technologies¹

Technology Used	June 98	June 99	June 00	June 01*	June 02
(1) TV Households	98,000,000	99,400,000	100,801,720	102,184,810	105,444,330
Percent Change	1.03%	1.43%	1.41%	1.37%	3.19%
(2) MVPD Households ²	76,634,200	80,882,411	84,423,717	87,830,074	89,890,641
Percent Change	4.06%	5.54%	4.38%	4.60%	1.79%
Percent of TV Households	78.20%	81.37%	83.75%	86.42%	85.25%
(3) Cable Subscribers	65,400,000	66,690,000	67,700,000	68,500,000	68,800,000
Percent Change	1.95%	1.97%	1.51%	1.18%	0.00%
Percent of MVPD Total	85.34%	82.45%	80.19%	77.99%	76.54%
(4) MMDS Subscribers	1,000,000	821,000	700,000	700,000	490,000
Percent Change	-9.09%	-17.90%	-14.74%	0.0%	-30.00%
Percent of MVPD Total	1.30%	1.02%	0.83%	0.80%	0.55%
(5) SMATV Subscribers	940,000	1,450,000	1,500,000	1,500,000	1,600,000
Percent Change	-19.14%	54.26%	3.45%	0.0%	6.67%
Percent of MVPD Total	1.23%	1.79%	1.78%	1.71%	1.78%
(6) HSD Subscribers	2,018,200	1,783,411	1,476,717	1,000,074	700,641
Percent Change	-7.15%	-12.07%	-17.20%	-32.28%	-29.94%
Percent of MVPD Total	2.65%	2.20%	1.75%	1.14%	0.78%
(7) DBS Subscribers	7,200,000	10,078,000	12,987,000	16,070,000	18,240,000
Percent Change	42.66%	39.97%	28.86%	23.74%	13.66%
Percent of MVPD Total	9.40%	12.46%	15.38%	18.30%	20.29%
(8) OVS Subscribers ³	66,000	60,000	60,000	60,000	60,000
Percent Change	2100.00%	-9.09%	0.0%	0.0%	0.0%
Percent of MVPD Total	0.09%	0.07%	0.07%	0.07%	0.07%

* - The source revised the number used for cable subscribers as of June 2001. This column has been modified accordingly.

Notes:

- (i) Some numbers have been rounded.
- (ii) The total number of MVPD households is likely to be somewhat less than the given figure since some households subscribe to the services of more than one MVPD. See 1994 Report, 9 FCC Red at 7480. However, the number of households subscribing to more than one MVPD is expected to be low. Hence the given total can be seen as a reasonable estimate of the number of MVPD households.
- (iii) The decline in OVS subscribers since 1998 reflects the conversion of portions of some OV4 systems to franchised cable systems over the last three years.

Sources:

- (1) Television households: 1998 from Nielsen Media Research as cited in *Broadcasting & Cable*, June 29, 1998, at 70; 1999 from Nielsen Media Research as cited in *Broadcasting & Cable*, June 28, 1999, at 16; and 2000 - 2002 from *Nielsen Media Research*.
- (2) Total MVPD households: The sum of the total number of subscribers listed under each of the categories of the various technologies. See note (ii) above.
- (3) Cable subscribers: 1998 from Paul Kagan Associates, Inc., *Paul Kagan's 10-Year Cable TV Industry Projections*, Cable TV Investor, August 10, 1998, at 4; 1999 from Paul Kagan Associates, Inc., *Cable Industry 10-Year Projections*, Cable TV Investor, June 25, 1999, at 6; 2000 from Paul Kagan Associates, Inc., *Cable Industry 10-Year Projections*, Cable TV Investor, June 19, 2000, at 6; 2001 from Kagan World Media, *Kagan's 10-Year Cable TV Industry Projections*, Broadband Cable Financial Databook 2001, July 2001, at 10; and 2002 from Kagan World Media, *Kagan's 10-Year Cable TV Industry Projections*, Broadband Cable Financial Databook 2002, July 2002, at 10.
- (4) MMDS subscribers: The 1998 and 1999 subscribers estimated by the FCC; 2000 subscribers from NCTA Comments for the 2000 Report at 9; 2001 subscribers from NCTA Comments for the 2001 Report at 7; and 2002 subscribers from NCTA Comments at 12.
- (5) SMATV subscribers: 1998 subscribers from NCTA 1998 Comments at 6; 1999 Subscribers from NCTA Comments for the 2000 Report at 5; and 2001 subscribers from NCTA Comments for the 2001 Report at 9; and 2002 subscribers from NCTA Comments at 12.
- (6) HSD subscribers: 1998-2000 from SkyRepon.com at http://www.skyreport.com/dth_us.htm; 2001 from SBCA Comments for the 2001 Report Table I at 4; and 2002 from SkyRepon.com at http://www.skyreport.com/dth_us.htm.
- (7) DBS subscribers: 1998 from Minal Damani and Jennifer E. Sharpe, *U.S. DBS Marketplace: 1998*, The Strategis Group, July, 1998 at 6; 1999-2000 from SkyRepon.com at http://www.skyreport.com/dth_us.htm; 2001 from SBCA Comments for the 2001 Report, Table I at 4; and 2002 from SkyRepon.com at http://www.skyreport.com/dth_us.htm.
- (8) OVS subscribers: OVS subscriber count for 1997 through 2002 estimated by the FCC

TABLE B-2
Number and Subscriber Size of Major Cable System Clusters
(Cumulative Figures)

Range of Clustered Subscribers (thousands)	1998		1999		2000		2001	
	Clusters	Subscribers (millions)	Clusters	Subscribers (millions)	Clusters	Subscribers (millions)	Clusters	Subscribers (millions)
100-199	33	4.6	41	5.4	26	3.6	30	4.3
200-299	25	6.3	16	4	13	3.2	17	4.2
300-399	20	6.7	20	6.8	22	7.4	18	6.1
400-499	7	3.2	9	3.9	13	5.9	10	4.4
>500	21	19.6	28	23.8	34	34.3	32	33.3
Total	106	40.4	114	43.9	108	54.4	107	52.3

Sources:

Paul Kagan Associates, Inc., *Major Cable TV Systems/Clusters*, *The Cable TV Financial Databook*, 1997, at 39-41; 1998, at 38-42; 1999, at 50-55; 2000 from Kagan World Media. *Major Cable TV Systems/Clusters*, *Broadband Cable Financial Databook* 2001 at 36; and 2001 from Kagan World Media. *Major Cable TV Systems/Clusters*, *Broadband Cable Financial Databook* 2002 at 38.

TABLE B-3
2002 Concentration in the National Market for Purchase of Video Programming⁽¹⁾

Rank	Company	Percent of Subscribers ⁽²⁾
1	AT&T	14.75
2	Time Warner	14.29
3	DirecTV	11.99
4	Comcast	9.46
Top 4		50.48
5	EchoStar	8.30
6	Charter	7.55
7	Cox	6.95
8	Adelphia	6.07
Top 8		79.35
9	Cablevision	3.33
10	Mediacom	1.76
Top 10		84.44
Top 25		90.26
Top 50		92.05
	HHI	884 ⁽³⁾

Notes:

- (1) MSO subscriber totals as of June 2002, and reported in Top Cable System Operators as of **June 2002**. Kagan World Media, *Cable TV Investor*, Sept. 30, 2002, at 9-10. There is no double counting of subscribers. If a cable operator is partially owned by more than one **MSO**, its subscribers are assigned to the largest MSO. Subscribers for DirecTV and EchoStar are based on SkyReport.com at <http://w.skyreport.com/dth-us.htm>
- (2) The total number of MVPD subscribers used to calculate the HHI is 89,890,641 from Table B-1
- (3) The HHI is calculated on the basis of market shares for the top 60 companies. Because all of the remaining MVPDs have **very small** shares of the market, an *HHI* calculation that included all cable system operators could only be slightly higher (no more than 2-3 points) than the given HHI.

TABLE B-4
Concentration in the National Market for the Purchase of Video Programming
1999-2002

Market Share	Percent of MVPD Subscribers			
	1999	2000	2001	2002
Top Share	20.50	19.07	16.44	14.75
Top 2	36.45	33.99	30.79	29.04
Top 3	45.68	44.27	42.11	41.03
Top 4	53.94	52.70	51.64	50.48
Top 10	74.95	83.90	84.29	84.44
Top 25	84.92	89.75	89.70	90.26
Top 50	89.58	92.14	91.38	92.05
-HHI	923	954	905	884

Sources:

Data for 1999 through 2001 were taken from *Reports, 1998-2001*. Data for 2002 are from Table B-3

APPENDIX C
TABLE C-1
MSO Ownership in National Video Programming Services

Programming Service	Launch Date	MSO Ownership (%)
Action Max	Jun-98	AOL Time Warner (100)
American Movie Classics (AMC)	Oct-84	Cablevision (60)
Animal Planet	Oct-96	Liberty Media (39.2), Cox (19.7)
@Max	May-01	AOL Time Warner (100)
Black STARZ!	Feb-97	Liberty Media (100)
Canales ñ (6 digital channels)*	Oct-98	Liberty Media (90)
Cartoon Network	Oct-92	AOL Time Warner (100)
Cinemax	Aug-80	AOL Time Warner (100)
CNN	Jun-80	AOL Time Warner (100)
CNN En Español	Mar-97	AOL Time Warner (100)
CNN Headline News	Jan-82	AOL Time Warner (100)
CNN International	Jan-95	AOL Time Warner (100)
CNNfn	Dec-95	AOL Time Warner (100)
Comedy Central	Apr-91	AOL Time Warner (50)
Court TV	Jul-91	Liberty Media (50) AOL Time Warner (50)
Discovery Channel	Jun-85	Liberty Media (50), Cox (24.6)
Discovery Civilization	Ocr-96	Liberty Media (25), Cox (12.3)
Discovery En Español	Aug-98	Liberty Media (50), Cox (24.6)
Discovery Health	Jut-98	Liberty Media (50), Cox (24.6), Comcast (20)
Discovery HD Theatre	Jun-02	Liberty Media (50), Cox (24.6), Comcast (20)
Discovery Home & Leisure	Ocr-96	Liberty Media (50), Cox (24.6)
Discovery Kids	Oct-96	Liberty Media (50), Cox (24.6)
Discovery Science Channel	Oct-96	Liberty Media (50), Cox (24.6)
Discovery Wings: The Aviation and Adventure Network	Jul-98	Liberty Media (50), Cox (24.6)

* Canales A, Liberty Media's digital package of Spanish-language channels, consists of FoxSportsAmericas, CBS Telenoticias, CineLatino, BoxTejano, BoxExitos, and Canal 9.

Programming Service	Launch Date	MSO Ownership (%)
E! Entertainment	Jun-90	Comcast (50)
Encore	Apr-91	Liberty Media (100)
Encore Action	Sept-94	Liberty Media (100)
Encore Love Stories	Jul-94	Liberty Media (100)
Encore Mystery	Jul-94	Liberty Media (100)
Encore True Stories	Sept-94	Liberty Media (100)
Encore WAM! America's Youth Network	Sept-94	Liberty Media (100)
Encore Westerns	Jul-94	Liberty Media (100)
5StarMax	May-01	AOL Time Warner (100)
FoxSports (2) channels	Various	Cablevision (50)
Fox Sports Latin America	Nov-96	Liberty Media (50)
G4 Video Gaming Network	Jun-02	Comcast (94)
GEMS International Television	Apr-93	Liberty Media (100)
Golf Channel	Jan-95	Comcast (91)
Hallmark Channel (formerly Odyssey)	Oct-93	Liberty Media (32.5)
HBO (Home Box Office)	Nov-72	AOL Time Warner (100)
HBO Latino	Nov-00	AOL Time Warner (100)
HBO 2	Oct-98	AOL Time Warner (100)
HBO Signature	Oct-93	AOL Time Warner (100)
HBO Comedy	May-99	AOL Time Warner (100)
HBO Family	Dec-96	AOL Time Warner (100)
HBO Zone	May-99	AOL Time Warner (100)
Home Shopping Network	Jul-85	Liberty Media (20)
iN Demand	Nov-85	Comcast (55), AOL Time Warner (33), Cox (11)
Independent Film Channel	Sep-94	Cablevision (60)
International Channel	Jul-90	Liberty Media (90)
MoreMAX	Aug-91	AOL Time Warner (100)
MoviePlex	Oct-94	Liberty Media (100)

Programming Service	Launch Date	MSO Ownership (%)
Much Music USA	Jul-94	Cablevision (75)
Outdoor Life Network	Jul-95	Comcast (100)
OuterMax	May-01	AOL Time Warner (100)
Ovation: The Arts Network	Apr-96	AOL Time Warner (4.2)
PIN (Product Information Network)	Apr-94	Cox (45)
Prevue Channel	Jan-88	Liberty Media (51)
QVC	Nov-86	Comcast (57), Liberty Media (43)
Sci-Fi Channel	Sept-92	Liberty Media (20)
Sneak Prevue (TV Guide)	May-91	Liberty Media (12)
Starz!	Feb-94	Liberty Media (100)
Starz! Cinema	May-99	Liberty Media (100)
Starz! Family	May-99	Liberty Media (100)
Starz! Theater	Mar-96	Liberty Media (100)
Style	May-99	Comcast (50)
TBS	Dec-76	AOL Time Warner (100)
TLC (The Learning Channel)	Nov-80	Liberty Media (50), Cox (24.6)
Thriller Max	Jun-98	AOL Time Warner (100)
TNT (Turner Network Television)	Oct-88	AOL Time Warner (100)
Travel Channel	Feb-87	Liberty Media (50), Cox (24.6)
Turner Classic Movies	Apr-94	AOL Time Warner (100)
USA Network	Apr-80	Liberty Media (20)
Viewers Choice 1-10 and Hot Choice (11 multiplexed channels)	Nov-85	Cox(20), AOL Time Warner (17)
WE	Jan-97	Cablevision (60)
WMAX	May-01	AOL Time Warner (100)

Sources:

NCTA, *Directory of Program Services*, Cable Developments 2002, at 29-141.

Liberty Media Corp., at http://www.libertymedia.com/our_affiliates/video_programming.htm

TABLE C-2
National Video Programming Services
Not Affiliated With a Cable Operator

Programming Service	Launch Date
A&E (Arts & Entertainment)	Feb-84
ABC Family (formerly Fox Family Channel)	Apr-77
ACNTV (America's Collectibles Network)	Oct-93
All News Channel	Nov-89
America's Store	Sep-86
ANA Television Network	Dec-91
ART (Arab Radio & Television)	1999
Beauty Channel	Sep-02
BBC America	Mar-98
BET	Jan-80
BET Action Pay Per View	Sep-90
BET Gospel	Jul-02
BET Hip Hop	Jul-02
BET Jazz: The Jazz Channel	Jan-96
BET Movies	Feb-97
Biography Channel	Dec-98
Black Belt TV: The Martial Arts Network	Jun-02
Bloomberg Television	Jan-95
B Mania	Nov-00
Boating Channel	Nov-98
Box Music Network	Dec-85
Bravo	Feb-80
Buzztime Entertainment	1984
Canal Sur	Aug-91
CCTV-4 (China Central Television)	1995
CelticVision	Mar-95
Church Channel	Jan-02
Classic Arts Showcase	May-94
CMT (Country Music Television)	Mar-83
CNBC	Apr-89
CNET: The Computer Network	Jan-95
College Entertainment Network	Jan-97
Crime Channel	Jul-93

Programming Service	Launch Date
C-SPAN	Mar-79
C-SPAN2	Jun-86
C-SPAN3*	Sep-97
Deep Dish TV	Jan-86
Disney Channel	Apr-83
Do-It-Yourself Channel	Sep-99
Dream TV Network	Nov-96
Ecology Communications	Nov-94
Enlace	Nov-96
ESPN	Sep-79
ESPN Classic Sports (formerly Classic Sports Network)	May-95
ESPN2	Oct-93
ESPNEWS	Nov-96
ESPN EXTRA	Sep-99
ESPN NOW	Sep-99
ESPN Today	Jun-01
ETC (The Erotic Network)	Jul-00
EWTN: Global Catholic Network	Aug-81
Extasy	Feb-98
Filipino Channel	Apr-94
Fine Living	Mar-02
Flix	Aug-92
Food Network	Nov-93
Fox Movie Channel	Nov-94
Fox News Channel	Oct-96
Fox Sports World	Nov-97
Fox Sports Español	Feb-99
FX	Jun-94
Free Speech TV (FSTV)	Jun-95
Galavision	Oct-79
Game Bank	Nov-95
Game Show Network	Dec-94
Golden Eagle Broadcasting	Nov-98
Goodlife Television Network (formerly Nostalgia Channel)	Jun-98
Great American Country	Dec-95
Hispanic Television Network	Aug-01

Programming Service	Launch Date
History Channel	Jan-95
History Channel International	Dec-98
Home & Garden Television	Dec-94
Hot Choice	Jun-86
Hot Net	Mar-99
Hot Zone	Mar-99
HTV	Aug-95
Idea Channel	Jan-92
Inspirational Life Television (I-LIFETV)	Jun-98
Inspirational Network (INSP)	Apr-90
Interactive Channel	Nov-93
Liberty Channel	Sep-01
Lifetime Movie Network	Jun-98
Lifetime Real Women	Aug-01
Lifetime Television	Feb-84
Lightspan Partnership, Inc.	Feb-95
Locomotion Channel	Nov-96
MBC Movie Network	Nov-98
Meadow Racing Network	Nov-84
MSNBC	Jul-96
MTV Español	Aug-98
MTV Hits	May-02
MTV Jams	2002
MTV Networks Latin America (formerly MTV Latino)	Oct-93
MTV: Music Television	Aug-81
Mun2	Apr-93
My Pet TV	Sep-96
NASA Television	Jul-91
National Geographic Channel	Jan-01
National Jewish Television	May-81
Newsworld International	Sep-94
Nick At Nite's TV Land	Apr-96
Nick Too	Jan-99
Nickelodeon Gas-Games & Sports Network	Mar-99

Programming Service	Launch Date
Nickelodeon/Nick at Nite	Apr-79
Noggin	Feb-99
Oasis TV	Sep-97
Outdoor Channel	Apr-93
Oxygen Media	Feb-00
Pax TV	Aug-98
Playboy TV	Nov-82
Pleasure Channel	Jun-99
Power TV Zhong Tian Channel	1995
Praise Television	Dec-96
Proto X	1997
Puma TV	1997
RAI International	1999
Recovery Network	Feb-97
Russian Television Network of America	Aug-00
Saigon Broadcasting Network	Feb-02
Scandinavian Channel	Oct-99
SCOLA	Aug-87
Shop at Home	Jun-86
Shop NBC	Oct-91
Short TV	Jan-99
Showtime	Jul-76
Showtime Beyond	Sep-99
Showtime Event Television (SET)	1979
Showtime Extreme	1998
Showtime Family Zone	Mar-01
Showtime Next	Mar-01
Showtime Showcase	Jul-01
Showtime Too	2001
Showtime Women	Mar-01
Skyview World Media	1992
SoapNet	Jan-00
Speed Channel	Jan-96
Spice 1	May-89
Spice 2	Unknown

Programming Service	Launch Date
Sun TV	Aug-96
Starnet	Jan-89
Sundance Channel	Feb-96
TechTV	May-98
Telemundo Cable	Mar-00
Telemundo Communications, Inc.	Jan-87
The Erotic Network (TeN)	Aug-98
TMC (The Movie Channel)	Dec-79
True Blue	Feb-98
TNN (The National Network)	Mar-83
Toon Disney	Apr-98
Trinity Broadcasting Network (TBN)	May-73
TRIO	Sep-94
TV 5 – USA Inc.	Jan-98
TV Asia	Apr-93
TV Games Network	Unknown
TV Japan	Jul-91
TVN Entertainment Corporation (33 digital pay-per-view channels)	Feb-98
TVR (TV Russia Network)	1995
TV Guide Channel	Jan-88
TV Guide Interactive	Oct-96
TV Guide Sneak Preview	1991
TVN Direct	Jan-96
UniverseI Torah Broadcasting Network	Dec-98
Univision	Dec-98
UUTV/KTLA	Mar-88
UUTV/WGN	Nov-98
UUTV/WPIX	May-84
ValueVision	Oct-91
VHI (Music First)	Jan-85
VHI (Classic)	Aug-98
VHI Soul	Aug-98
VHI Country	Aug-98
VHI Megahits	May-0?
VH UNO	Nov-99

Programming Service	Launch Date
Video Rola	Jan-01
Vivid TV	Mar-99
Weather Channel	May-82
Weather Channel/Latin America	Nov-96
Weatherscan	Apr-98
Weatherscan Local	May-99
Wisdom Television	Jul-97
Word Network	Feb-00
Worship Network	Sep-92
X Cubed	Unknown
Z Music	Mar-93
ZEE TV	1999

Note: -

* Cable affiliates provide 95% of the funding for C-SPAN, C-SPAN?, and C-SPAN3, but have no ownership or program control interests. DBS licensees provide the other 5% of the funding and also have no ownership or program control interests.

Source:

NCTA, *Directory of Cable Networks*, Cable Developments 2002, at 29-141

TABLE C-3
Regional Video Programming **Services**

Programming Services	Launch Date	MSO Ownership (%)
Arabic Chsnnel	Apr-91	
Arizona News Channel	Nov-96	
Automotive Television Network (ATN)	Sep-95	
Bay News 9	Sep-97	
California Channel	Feb-91	
Casa Club TV	Jul-97	
Central Florida News 13	Oct-97	AOL Time Warner (50)
ChicagoLand Television News (CLTV)	Jan-93	
CN8 – The Comcast Network	1996	Comcast (100)
Comcast SportsNet	Oct-97	Comcast (78)
Corncast SportsNet Mid Atlantic (formerly Home Team Sports)	Apr-84	Comcast (100)
Comcast Sports South East	Apr-84	Comcast (72)
County Television Network San Diego	Jul-96	
Cox Sports Television	Oct-02	cox (100)
Ecumenical Television Channel	1983	
Empire Sports Network	Dec-90	Adelphia (67) Comcast (33)
Florida's News Channel	Sep-98	
Fox Sports Net Arizona	Sep-96	Cablevision (45)
Fox Sports Net Bay Area	Apr-90	Cablevision (45)
Fox Sports Net Chicago	Jan-84	Cablevision (45)
Fox Sports Net Cincinnati	1989	Cablevision (45)
Fox Sports Net Detroit	Sep-97	Cablevision (45)
Fox Sports Net Florida	1989	Cablevision (45)
Fox Sports Net Midwest	Sep-97	Cablevision (45)
Fox Sports Net New England	Jan-88	Cablevision (50).AT&T (50)
Fox Sports Net New York	1989	Cablevision (45)
Fox Sports Net North	Mar-89	Cablevision (22.5).Liberty Media (50)
Fox Sports Net Northwest	Nov-88	Cablevision (41.5)
Fox Sports Net Ohio	Feb-89	Cablevision (45)
Fox Sports Net Pittsburgh	Apr-86	Cablevision (45)

Programming Services	Launch Date	MSO Ownership (%)
Fox Sports Net Rocky Mountain	Nov-88	Cablevision (45)
Fox Sports Net South	Aug-90	Cablevision (45)
Fox Sports Net Southwest	Jan-83	Cablevision (45)
Fox Sports Net West	Oct-85	Cablevision (45)
Fox Sports Net West 2	Jan-97	Cablevision (45)
Hip Hop Network	Jan-97	
International Television Broadcasting (ITV)	Apr-86	
Las Vegas One News	Apr-98	
Local News on Cable	Feb-97	
Madison Square Garden Network (MSG)	Oct-69	Liberty Media (18), Cablevision (41.5)
MediaOne News	Dec-95	Liberty Media (100)
Metro Sports Channel		AOL Time Warner (50), AT&T (50)
MGM Networks Latin America	Jul-97	
Michigan Government Television	Jul-96	
Midwest Sports Channel	Mar-89	
MSG Metro Guide	Aug-98	Cablevision (100)
MSG Metro Learning Channel	Aug-98	Cablevision (100)
MSG Traffic and Weather	Aug-98	Cablevision (100)
Neighborhood News L.I.	Unknown	Cablevision (75)
New England Cable News	Mar-92	Comcast (50)
New England Sports Network (NESN)	Mar-84	
New York 1 News	Sep-92	AOL Time Warner
News 12 Connecticut	Jun-95	Cablevision (75)
News 12 Long Island	Dec-86	Cablevision (75)
News 12 New Jersey	Mar-96	Cablevision (75)
News 12 Bronx	Jun-98	Cablevision (75)
News 12 Westchester	Nov-95	Cablevision (75)
News 8 Austin	Sep-99	
News 14 Carolina	2002	AOL Time Warner
News Channel 5+	Sept-96	
News 14 Carolina		AOL Time Warner
News Now 53	Jun-97	Cox (50)
News on One	Oct-97	

Programming Services	Launch Date	MSO Ownership (%)
News Watch 15	Oct-99	
Newschannel 8	Oct-91	
NGTV (National Greek Television)	Dec-87	
Nippon Golden Network	Jan-82	
NorthWest Cable News	Dec-95	
Ohio News Network	May-97	
PASS Sports (Pro-Am Sports System)	Apr-84	
Pennsylvania Cable Network (PCN)	Sep-79	
Pittsburgh Cable News Channel (PCNC)	Jan-94	Comcast (30)
Rarities Exchange	Dec-98	
San Diego's News Channel 15	Jan-97	
Six News Now	Jul-95	
Soundtrack Channel (STC)	Mar-02	
South Florida News Channel	1998	
SportsChannel Florida	Dec-87	Liberty Media (6), Cablevision (13.5)
Sunshine Network	Mar-88	Liberty Media (34.5), Cox (5.3)
Texas Cable News	Jan-99	
Turner South (STC)	Mar-02	AOL Time Warner
TV33	Dec-95	
WSBK	Feb-88	
Yankee Entertainment Sports Network (YES)	Mar-02	

Sources:

NCTA, *Regional Cable Networks*, Cable Developments 2002. at 171-194.

DirecTV Comments at 14.

TABLE C-4
Planned Programming Services

Programming Service	Planned Launch Date, If Announced
American Legal Network	TBA
America National Network	TBA
AMC's American Pop	TBA
American West Network	TBA
Anthropology Programming and Entertainment	TBA
Anti-Aging Network	TBA
Applause	TBA
Auto Channel	TBA
BET World Music Beat	TBA
Bingo TV	TBA
Black Women's Television	4Q02
Booknet	2003
Caribbean Visions Television	TBA
CFN-Children's Fashion Network	4Q02
Chop TV	TBA
Collectors Channel	TBA
CSTV (College Sports Television)	1Q03
Diversity Network	4Q02
Documentary Channel	TBA
EXPAN (Action Sports on Demand)	1Q03
Fad TV (Fashion & Design Television)	2Q03
Fashion Network	TBA
Fifth Avenue Channel	TBA
Fox Enhanced TV	TBA
GETV Network	1Q03
Global Village Network	TBA
Gospel Network	TBA
Hobby Craft Interactive	TBA
Honey Vision	TBA
Investment TV	TBA
Local News Network	TBA

Programming Service	Planned Launch Date, If Announced
Martial Arts Action Network	TBA
MEN (Maverick Entertainment Network)	1Q04
Military Network	4Q03
Moore TV Network	TBA
Moviewatch	1Q03
Noah's World International	2Q03
Opportunity Television Network	TBA
Orb TV	TBA
Outlet	2Q03
PCOM (Native American Nations Network)	1Q03
Performance Showcase	TBA
Premiere Horse Network	TBA
Puppy Channel	4Q03
RadioTV Network	2Q03
Real Estate Network (TREN)	TBA
Romanceland	TBA
Seminar TV Network (Seminar TV)	TBA
Senior Citizens Television Network	4Q02
Si TV	2Q03
Skywatcher Channel	TBA
Sundance Documentary Channel	3Q03
TeN BLOX	1Q03
TeN Blue	1Q03
The Football Channel (TFN)	TBA
The World Cinema Channel	TBA
Theater Channel	TBA
The Tennis Channel	4Q02
UBC (Urban Broadcasting Company) TBA	TBA
U.S. Military Television Network	TBA
World Cinema	TBA
Youth Sports Broadcasting Channel	TBA

Sources:

NCTA, *Planned Services*, Cable Developments 2002, at 151-170.

Operators Want Hardcore Porn, Multichannel News at

http://www.tvinsite.com/multichannelnews/index.asp?layout=print_page&doc_id=104331, Oct. 10, 2002.

R. Thomas Umstead, *Service Goes to Extremes*, Multichannel News. **Apr.** 29.2002, at **3**.

R. Thomas Umstead, *Bedol: Sports Tiers Are Fine With Us*, Multichannel News, Nov. 4. 2000, at 14.

Linda Moss, *New Nets Eye Outlets for Men, Gays*, Multichannel News, Nov. 18, 2002 at 3.

TABLE C-5
MSO Ownership in National Programming

Services¹	Subs. (mil)	Liberty Media	AOL Time Warner	Comcast	Cox	Cablevision Systems
Action Max	* ²		100.0%			
AMC	82.6					60%
Animal Planet	77.0	39.2%			19.7%	
@Max	*		100.0%			
Black Starz!	*	100.0%				
Canales ñ (6 channels)	*	90.0%				
Cartoon Network	79.5		100.0%			
Cinemax	38.1		100.0%			
CNN	85.6		100.0%			
CNN Español	10.5		100.0%			
CNN Headline News	81.7		100.0%			
CNN International ³	10.0		100.0%			
CNN fn	18.0		100.0%			
Comedy Central	78.2		50.0%			
Court TV	68.1	50.0%	50.0%			
Discovery	86.0	50.0%			24.6%	
Discovery Civilization	7.0					
Discovery En Español	*	50.0%			24.6%	
Discovery Health	33.7	50.0%		20.0%	24.6%	
Discovery HD Channel						
Discovery Home&Leisure	7.0	50.0%			24.6%	
Discovery Kids	10.0	50.0%			24.6%	
Discovery Science	10.0	50.0%			24.6%	
Discovery Wings	7.0	50.0%			24.6%	
E! Entertainment	77.2			50.0%		
Encore	18.0	100.0%				
Encore Action	*	100.0%				

Services ¹	Subs. (mil)	Liberty Media	AOL Time Warner	Comcast	Cox	AT&T	Cablevision Systems
Encore Love Stories	*	100.0%					
Encore Mystery	*	100.0%					
Encore True Stories	*	100.0%					
Encore WAM!	*	100.0%					
Encore Westerns	*	100.0%					
5Star Max	*		100.0%				
Fox Sports (2 channels)	16.4						50.0%
Fox Sports Latin America	10.3	50.0%					
GEMS International TV	6.4	50.0%					
G4 Video Gaming Ntwk	*			94.0%			
Golf Channel	35.0			91.0%			
Hallmark Channel	43.5	32.5%					
HBO	38.1 ¹		100.0%				
HBO Latino	*		100.0%				
HBO 2	*		100.0%				
HBO Signature	*		100.0%				
HBO Comedy	*		100.0%				
HBO Family	*		100.0%				
HBO Zone	*		100.0%				
HSN	74.0	20.0%					
iN Demand	28		33.0%	55.0%	11.0%	44.0%	
Independent Film Channel	21.8						60.0%
International Channel	11.8	90.0%					
More Max	38.1		100.0%				
Movie Plex	8.0	100.0%					
Much Music USA	44.0						75.0%
Outdoor Life	40.0			100.0%			
Outer Max	*		100.0%				
Ovation	5.0		4.2%				
PIN	35.0				45.0%		
Prevue Channel	*	51.0%					

Services ¹	Subs. (mil)	Liberty Media	AOL Time Warner	Comcast	Cox	AT&T	Cablevision Systems
QVC	79.6	42.0%		58.0%			
Sci-Fi	75.0	20.0%					
Sneak Prevue	34.0	12.0%					
Starz!	13.0	100.0%					
Starz! Cinema	*	100.0%					
Starz! Family	*	100.0%					
Starz! Theater	*	100.0%					
Style	17.0			50.0%		10.0%	
TBS	87.0		100.0%				
TLC	83.2	50.0%			24.6%		
Thriller Max	37.0		100.0%				
TNT	85.5		100.0%				
Travel Channel	60.9	50.0%			24.6%		
TCM	49.3		100.0%				
USA	85.6	20.0%					
Viewers Choice 1-10	*		17.0%		20.0%		
WE (formerly Romance)	25.0						60.0%
Wmax	*		100.0%				

Notes:

AT&T ownership interests are shown in the Comcast column because Comcast acquired AT&T Broadband on Nov. 18, 2002.

¹ In addition to cable, other services such as MMDS (wireless cable), SMATV (satellite master antenna television), satellite, including **DBS** (direct broadcast satellite) and **HSD** (home satellite dish), broadcast television, and LPTV (low power television) may distribute these signals. Subscriber figures *may* include these non-cable services.

* Indicates that subscribership count is unknown or not available

³ CNN International subscribership of 10 million includes domestic US subscribers only. CNN International has **129** million subscribers outside the U.S.

⁴ HBO subscriber numbers include HBO Latino, HBO Plus, **HBO** Signature, **HBO** Comedy, **HBO** Family, **HBO** Zone, and Cinemax, 5 Star Max, @ Max, MoreMax, ActionMax, Outer Max, Thriller Max and W Max.

Sources:

NCTA, *Directory of Cable Networks*, Cable Developments 2002, at 29-143
<http://foxsports.lycos.com/content/view?contentID=541079>

TABLE C-6
Top 20 Programming Services by Subscribership

Rank	Programming Network	Number of Subscribers (Millions)	MSO Ownership Interest in Network (%)
1	TBS	87.0	AOL Time Warner (100)
2	Discovery Channel	86.0	Liberty Media (49), Cox (24.6)
3	ESPN	85.9	
4	CNN	85.6	AOL Time Warner (100)
5	USA Network	85.6	Liberty Media (21)
6	TNT	85.5	AOL Time Warner (100)
7	Nickelodeon/Nick at Nite	85.3	
8	C-SPAN	85.0	
9	A&E	85.0	
10	TNN	84.9	
11	Lifetime Television	84.6	
12	ABC Family Channel	84.1	
13	The Weather Channel	83.9	
14	MTV	83.4	
15	TLC	83.2	Liberty Media (49), Cox (24.6)
16	AMC	82.6	Cablevision (75)
17	ESPN2	82.6	
18	CNBC	82.3	
19	VH1	81.7	
20	CNN Headline News	81.7	AOL Time Warner (100)

Notes:

In addition to cable, other services such as MMDS (wireless cable), **SMATV** (satellite master antenna television), satellite, including HSD (home satellite dish) and DBS (direct broadcast satellite), broadcast television and LPTV (low power television) may distribute these signals. Subscriber figures may include these non-cable services. Cable affiliates provide **95%** of the funding for **C-SPAN**, but have no ownership or program control interests. DBS licenses provide the other 5% of the funding and also have no ownership or program control interests.

Source:

NCTA, *Top 20 Cable Networks*, Cable Developments 2002, at 21-22

TABLE C-7
Top 20 Programming Services by Prime Time Rating

Rank	Programming Service	MSO with Ownership Interest (%)
1	Lifetime Television	
2	TNT	AOL Time Warner (100)
3	Nick at Nite	
4	TBS	AOL Time Warner (100)
5	Canoon Network	AOL Time Warner (100)
6	USA Network	Liberty Media (20)
7	Disney Channel	
8	ESPN	
9		
10		
11	Fox News Channel	
12	Discovery Channel	Liberty Media (50), Cox (24.6)
13	MTV	
14	TNN	
15	TLC	Liberty Media (50), Cox (24.6)
16	CNN	AOL Time Warner (100)
	ABC Family Channel	
	History Channel	
	Sci-Fi Channel	Liberty Media (20)
20	counTV	Liberty Media (50), AOL Time Warner (50)

Source:

Kagan World Media, *Day Purr Ratings Averages, Prime Time (May)*, Cable Program Investor, July 29, 2002, at 11